

UNION HOLDER

FOR STANDARD
OR COMPOSITE
TYPE RUPTURE
DISCS



The Union Holder is designed to provide flexibility of use in tight piping configurations. These precisely built holders combine ease of installation with high pressure ratings in pipe sizes of 2 inches (50 mm) or less. Standard sizes, ratings and bores are shown in Table I. Contact your representative for applications outside this range.

SPECIFICATIONS

Union Holders are designed for standard or composite type rupture discs. Any combination of welded or threaded inlet and outlet connections is available. All parts are available in carbon steel or 316 SS. The units are designed with 30° angular seating. Refer to the Continental Disc Industrial Product Selection Guide for rupture disc details.

Muffled plugs can be supplied for use with Union Holders with threaded outlets to reduce reaction forces upon burst of the rupture disc.

PRODUCT IDENTIFICATION

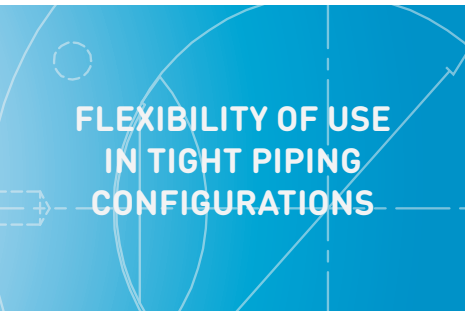
As a standard, rupture discs for use in Union Type Holders are shipped with a detached tag, which should be affixed to the completed assembly when the rupture disc is installed. Under certain circumstances, such an installation may comply with the ASME Code. See ASME code case no. 2367.

For those requiring ASME compliance or simple, positive identification of rupture disc installations, Continental Disc offers a special Union Type Holder which allows the installation of a rupture disc with a permanently attached 3-dimensional flow direction tag. The 3-D flow tag extends beyond the holder for easier verification of orientation after the rupture disc has been installed.

When ordering rupture discs, please state whether the disc is to be installed in a Union Holder, and whether you require the standard configuration or a permanently attached 3-D flow tag.

HOLDER TYPES

- #2U Holder // Threaded Inlet - Threaded Outlet
- #3U Holder // Threaded Inlet - Welded Outlet
- #5U Holder // Welded Inlet - Threaded Outlet
- #6U Holder // Welded Inlet - Welded Outlet





SIMPLE AND WORRY-FREE

Continental's Union Holders make rupture disc installation in tight-fitting, high-pressure environments simple and worry-free.

TABLE 1 // Union Holder Specifications

SIZE	RATING	BORE	HEX SIZE	OVERALL HEIGHT			
				#2U	#3U	#5U	#6U
in mm			in mm	in mm	in mm	in mm	in mm
1/2" 12,7 mm	3000#	Schedule 80	1.75" 44,5 mm	2.75" 69,9 mm	2.50" 63,5 mm	2.55" 64,8 mm	2.30" 58,4 mm
1/2" 12,7 mm	6000#	Schedule 160	2.00" 50,8 mm	2.81" 71,4 mm	2.94" 74,7 mm	2.81" 71,4 mm	2.94" 74,7 mm
1" 25,4 mm	4000#	Schedule 80	3.00" 76,2 mm	3.50" 88,9 mm	3.03" 77,0 mm	3.15" 80,0 mm	2.63" 66,8 mm
1" 25,4 mm	6000#	Schedule 160	3.00" 76,2 mm	3.50" 88,9 mm	3.03" 77,0 mm	3.15" 80,0 mm	2.63" 66,8 mm
1 1/2" 38,1 mm	4000#	Schedule 80	3.50" 88,9 mm	3.75" 95,3 mm	3.47" 88,1 mm	3.72" 94,5 mm	3.50" 88,9 mm
2" 50,8 mm	4000#	Schedule 160	5.00" 127,0 mm	5.13" 130,3 mm	4.85" 123,2 mm	5.10" 129,5 mm	5.13" 130,3 mm

Note: For other schedule bore, please call the factory.

TABLE 2 // Maximum Pressure Ratings for Union Holder

TEMP.		3000# ASSEMBLY				4000# ASSEMBLY				6000# ASSEMBLY			
		CS*		316SS**		CS*		316SS**		CS*		316SS**	
°F	°C	psig	barg	psig	barg	psig	barg	psig	barg	psig	barg	psig	barg
100	37,8	3000	206	3000	206	4000	275	4000	275	6000	413	6000	413
200	93,3	2735	188	2580	177	3647	251	3440	237	5470	377	5160	355
300	149	2660	183	2330	160	3546	244	3107	214	5319	366	4660	321
400	204	2567	177	2140	147	3423	236	2853	196	5135	354	4280	295
500	260	-	-	1990	137	-	-	2653	182	-	-	3980	274
600	316	-	-	1880	129	-	-	2507	172	-	-	3760	259
700	371	-	-	1810	124	-	-	2413	166	-	-	3620	249
800	427	-	-	1760	121	-	-	2347	161	-	-	3520	242
900	482	-	-	1730	119	-	-	2307	159	-	-	3460	238
1000	538	-	-	1458	100	-	-	1943	134	-	-	2915	201

*Carbon Steel ratings are for Group 1.1 from ANSI B16.5.

**316 SS ratings are for Group 2.2 from ANSI B16.5



HEADQUARTERS //

3160 W. Heartland Drive
Liberty, MO 64068 USA
Ph (816) 792 1500 | Fax (816) 792 2277
sales@contdisc.com

contdisc.com

THE NETHERLANDS

Energieweg 20
2382 NJ Zoeterwoude-Rijndijk
The Netherlands
Ph +[31] 71 5412221 | Fax +[31] 71 5414361
cdcnl@contdisc.com

CHINA

Room 910, Tower B, COFCO Plaza
No. 8 JianGuoMenNei Avenue
Beijing (100005), P.R. China
Ph +[86] 10 522 4885 | Fax +[86] 10 6522 2885
cdcchina@contdisc.com

INDIA

423/P/11, Mahagujarat Industrial Estate,
Moraiya, Sarkhej-Bavla Road,
Ahmedabad (GJ) 382213 INDIA
Ph +[91] 2717 619 333 | Fax +[86] 10 6522 2885
gcempl@contdisc.com